

**EAST Search History****EAST Search History (Prior Art)**

| Ref # | Hits  | Search Query   | DBs                                       | Default Operator | Plurals | Time Stamp          |
|-------|-------|--|---|------------------|---------|---------------------|
| L9    | 79    | 438/612-617  | US-PGPUB;<br>USPAT;<br>EPO; JPO           | OR               | ON      | 2009/08/11<br>14:16 |
| L10   | 7366  | (438/612-617).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR               | OFF     | 2009/08/11<br>14:17 |
| L11   | 13967 | (257/777-786).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR               | OFF     | 2009/08/11<br>14:18 |
| L12   | 420   | 257/e23.021  | US-PGPUB;<br>USPAT;<br>EPO; JPO           | OR               | ON      | 2009/08/11<br>14:19 |
| L13   | 241   | 257/e23.069  | US-PGPUB;<br>USPAT;<br>EPO; JPO           | OR               | ON      | 2009/08/11<br>14:19 |
| L14   | 3     | (l10 or l11 or l12 or l13)<br>and (remov\$5 same<br>solder same (excess or<br>loos\$5) same tacky) | US-PGPUB;<br>USPAT;<br>EPO; JPO           | OR               | ON      | 2009/08/11<br>14:21 |
| L15   | 208   | (l10 or l11 or l12 or l13)<br>and (remov\$5 same<br>solder same (excess or<br>loos\$5))            | US-PGPUB;<br>USPAT;<br>EPO; JPO           | OR               | ON      | 2009/08/11<br>14:21 |
| S1    | 1     | "20070052112"  | US-PGPUB;<br>USPAT;<br>EPO; JPO           | OR               | ON      | 2009/01/28<br>14:49 |
| S2    | 10    | "6071801"  | US-PGPUB;<br>USPAT;<br>EPO; JPO           | OR               | ON      | 2009/01/28<br>15:05 |
| S3    | 1     | ("6071801").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR               | OFF     | 2009/01/28<br>15:05 |
| S4    | 1     | ("6239013").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR               | OFF     | 2009/01/28<br>15:32 |

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| S5  | 3271 | (438/612).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2009/01/28<br>15:49 |
| S6  | 89   | S5 and (irrad\$ and adhesive)                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO           | OR | ON  | 2009/01/28<br>15:50 |
| S7  | 17   | S5 and (irrad\$ and adhesive) and (solder same ball same remov\$)  | US-PGPUB;<br>USPAT;<br>EPO; JPO           | OR | ON  | 2009/01/28<br>15:51 |
| S8  | 2221 | (438/108).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2009/01/28<br>15:54 |
| S9  | 9    | S8 and adhesive and (solder same ball same remov\$) and irrad\$    | US-PGPUB;<br>USPAT;<br>EPO; JPO           | OR | ON  | 2009/01/28<br>15:55 |
| S10 | 1    | ("5356751").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2009/01/28<br>17:21 |
| S11 | 1    | ("20070052112").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2009/08/10<br>17:43 |
| S12 | 1    | ("6071801").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2009/08/11<br>09:51 |
| S13 | 12   | ("5620927"   "5909634"<br>  "5930889").PN. OR<br>("6071801").URPN. | US-PGPUB;<br>USPAT;<br>USOCR              | OR | ON  | 2009/08/11<br>09:51 |
| S14 | 1    | ("6048755").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2009/08/11<br>09:59 |
| S15 | 3371 | (438/612).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2009/08/11<br>10:15 |
| S16 | 2731 | S15 and (@ay<"2005")   | US-PGPUB;<br>USPAT;<br>EPO; JPO           | OR | ON  | 2009/08/11<br>10:15 |
| S17 | 35   | S16 and (adhesive same spray\$5)                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO           | OR | ON  | 2009/08/11<br>10:16 |

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| S18 | 0    | S16 and (solder same ball same dispense\$ same nozzle)                           | US-PGPUB; USPAT; EPO; JPO        | OR | ON  | 2009/08/11 10:21 |
| S19 | 63   | solder same ball same dispense\$ same nozzle                                     | US-PGPUB; USPAT; EPO; JPO        | OR | ON  | 2009/08/11 10:21 |
| S20 | 44   | S19 and (@ay<"2005")   | US-PGPUB; USPAT; EPO; JPO        | OR | ON  | 2009/08/11 10:22 |
| S21 | 420  | solder same ball same nozzle   | US-PGPUB; USPAT; EPO; JPO        | OR | ON  | 2009/08/11 10:41 |
| S22 | 335  | S21 and (@ay<"2005")   | US-PGPUB; USPAT; EPO; JPO        | OR | ON  | 2009/08/11 10:41 |
| S23 | 12   | ("5620927"   "5909634"    "5930889").PN. OR ("6071801").URPN.                    | US-PGPUB; USPAT; USOCR           | OR | ON  | 2009/08/11 10:48 |
| S24 | 20   | (loos\$5 or excess) same solder same (ball or particle) same remov\$5 same tacky | US-PGPUB; USPAT; USOCR           | OR | ON  | 2009/08/11 10:57 |
| S25 | 88   | solder same (ball or particle) same remov\$5 same tacky                          | US-PGPUB; USPAT; USOCR           | OR | ON  | 2009/08/11 11:00 |
| S26 | 1    | ("5431332").PN.  | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2009/08/11 11:07 |
| S27 | 3866 | (257/778).CCLS.  | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2009/08/11 11:44 |
| S28 | 3004 | S27 and (@ay<"2005")   | US-PGPUB; USPAT; EPO; JPO        | OR | ON  | 2009/08/11 11:44 |
| S29 | 7    | S28 and (solder same remove\$ same (tacky or sticky))                            | US-PGPUB; USPAT; EPO; JPO        | OR | ON  | 2009/08/11 11:45 |
| S30 | 651  | S28 and (solder same remov\$5)   | US-PGPUB; USPAT; EPO; JPO        | OR | ON  | 2009/08/11 11:46 |
| S31 | 1625 | S28 and (solder same (excess or loos\$5) remov \$5)                              | US-PGPUB; USPAT; EPO; JPO        | OR | ON  | 2009/08/11 11:48 |
| S32 | 30   | S28 and (solder same (excess or loos\$5) same remov\$5)                          | US-PGPUB; USPAT; EPO; JPO        | OR | ON  | 2009/08/11 11:48 |

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|-----|------|--|---------------------------------|----|----|---------------------|
| S33 | 2130 | (solder same (excess or<br>loos\$5) same remov\$5)                           | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2009/08/11<br>11:51 |
| S34 | 26   | (solder same (excess or<br>loos\$5) same remov\$5<br>same (tacky or sticky)) | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2009/08/11<br>11:52 |

**EAST Search History (Interference)**

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8/ 11/ 2009 2:51:32 PM

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